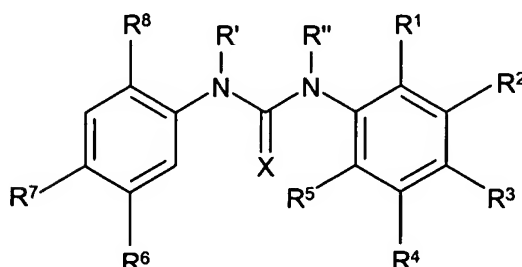


**AMENDMENTS TO THE CLAIMS**

1. (Original) A urea derivative represented by Formula I



any of its enantiomers or any mixture of its enantiomers, or a prodrug, or a pharmaceutically-acceptable addition salt thereof, wherein

X represents O, S or NR'''; wherein R''' represents hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl or cyano;

R' and R'', independently of each other, represent hydrogen, alkyl, cycloalkyl or cycloalkyl-alkyl;

R<sup>1</sup> represents hydrogen, alkyl, hydroxy, alkoxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino, or a group of formula -NR''''(CO)R''''', -NR''''(CO)Ar, -NR''''(CO)-NR''''R''''', -NR''''(CO)NR''''Ar, -NR''''(CO)CH=CH-R''''', -NR''''(SO<sub>2</sub>)R'''''' or -NR''''(SO<sub>2</sub>)Ar; wherein

R'''' and R''''', independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl, or benzyl; and

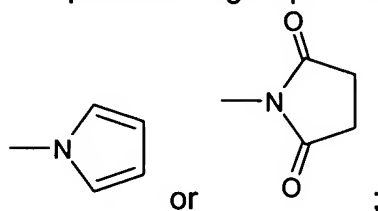
Ar represents an aryl group or an aromatic mono- or polycyclic heterocyclic group; or

R<sup>1</sup> represents a group of formula -CONR''''R'''''' or -SO<sub>2</sub>-NR''''R'''''', wherein

R'''' and R''''', independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl, or benzyl; or

R'''' and R'''''' together with the nitrogen atom to which they are attached form a heterocyclic ring; or

R<sup>1</sup> represents a group of formula



R<sup>2</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino;

R<sup>3</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino;

R<sup>4</sup> represents hydrogen, alkyl, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino;

R<sup>5</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino;

R<sup>6</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino or phenyl;

R<sup>7</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino or phenyl; and

R<sup>8</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, alkoxy, cyano, nitro or amino.

2. (Original) The urea derivative according to claim 1, wherein X represents O, S or NR'''; wherein R''' represents hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl or cyano.

3. (Currently amended) The urea derivative according to claim 1 ~~either one of claims 1-2~~, wherein R' and R'', independently of each other, represent hydrogen, alkyl, cycloalkyl or cycloalkyl-alkyl.

4. (Original) The urea derivative according to claim 3, wherein both of R' and R'' represent hydrogen.

5. (Currently amended) The urea derivative according to claim 1 ~~any one of claims 1-4~~, wherein R<sup>1</sup> represents hydrogen, alkyl, hydroxy, alkoxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino, or a group of formula -NR<sup>'''</sup>(CO)R<sup>'''</sup>, -NR<sup>'''</sup>(CO)Ar, -NR<sup>'''</sup>(CO)-NR<sup>'''</sup>R<sup>'''</sup>, -NR<sup>'''</sup>(CO)NR<sup>'''</sup>Ar, -NR<sup>'''</sup>(CO)CH=CH-R<sup>'''</sup>, -NR<sup>'''</sup>(SO<sub>2</sub>)R<sup>'''</sup> or -NR<sup>'''</sup>(SO<sub>2</sub>)Ar; wherein

R<sup>'''</sup> and R<sup>'''</sup>, independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl or benzyl; and

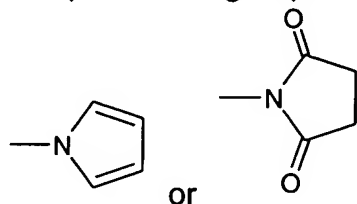
Ar represents an aryl group or an aromatic mono- or polycyclic heterocyclic group; or

R<sup>1</sup> represents a group of formula -CONR<sup>'''</sup>R<sup>'''</sup> or -SO<sub>2</sub>-NR<sup>'''</sup>R<sup>'''</sup>, wherein

R<sup>'''</sup> and R<sup>'''</sup>, independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl or benzyl; or

R<sup>'''</sup> and R<sup>'''</sup> together with the nitrogen atom to which they are attached form a heterocyclic ring; or

R<sup>1</sup> represents a group of formula



6. (Original) The urea derivative according to claim 5, wherein R<sup>1</sup> represents hydrogen, alkyl, hydroxy, alkoxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino, or a group of formula -NR<sup>'''</sup>(CO)R<sup>'''</sup>, -NR<sup>'''</sup>(CO)Ar, -NR<sup>'''</sup>(CO)-NR<sup>'''</sup>R<sup>'''</sup>, -NR<sup>'''</sup>(CO)NR<sup>'''</sup>Ar, -NR<sup>'''</sup>(CO)CH=CH-R<sup>'''</sup>, -NR<sup>'''</sup>(SO<sub>2</sub>)R<sup>'''</sup> or -NR<sup>'''</sup>(SO<sub>2</sub>)Ar; wherein

R<sup>'''</sup> and R<sup>'''</sup>, independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl or benzyl; and

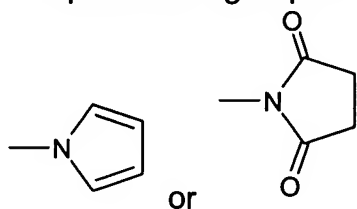
Ar represents phenyl, pyrrolyl, imidazolyl, pyrazolyl or pyridinyl; or

R<sup>1</sup> represents a group of formula -CONR<sup>'''</sup>R<sup>''''</sup> or -SO<sub>2</sub>-NR<sup>'''</sup>R<sup>''''</sup>, wherein R<sup>'''</sup> and R<sup>''''</sup>, independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl or benzyl; or

R<sup>'''</sup> and R<sup>''''</sup> together with the nitrogen atom to which they are attached form a heterocyclic ring selected from pyrrolidinyl, piperidinyl, morpholinyl and piperazinyl.

7. (Original) The urea derivative according to claim 6, wherein R<sup>1</sup> represents hydrogen, alkyl, hydroxy, alkoxy, amino, or a group of formula -NR<sup>'''</sup>(CO)R<sup>''''</sup>; wherein R<sup>'''</sup> and R<sup>''''</sup>, independently of each other, represent hydrogen, alkyl, cycloalkyl, cycloalkyl-alkyl, alkenyl, phenyl or benzyl; or

R<sup>1</sup> represents a group of formula



8. (Original) The urea derivative according to claim 6, wherein R<sup>1</sup> represents hydrogen, alkyl, hydroxy, alkoxy, amino, or -NH(CO)alkyl.

9. (Currently amended) The urea derivative according to claim 1 ~~any one of claims 1-8~~, wherein R<sup>2</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino.

10. (Original) The urea derivative according to claim 9, wherein R<sup>2</sup> represents hydrogen, hydroxy or halo.

11. (Currently amended) The urea derivative according to claim 1 ~~any one of claims 1-10~~, wherein R<sup>3</sup> represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino.

12. (Original) The urea derivative according to claim 11, wherein R<sup>3</sup> represents hydrogen, hydroxy, halo or nitro.

13. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-12~~, wherein  $R^4$  represents hydrogen, alkyl, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino.

14. (Original) The urea derivative according to claim 13, wherein  $R^4$  represents hydrogen, alkyl or halo.

15. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-14~~, wherein  $R^5$  represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro or amino.

16. (Original) The urea derivative according to claim 15, wherein  $R^5$  represents hydrogen, nitro or amino.

17. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-16~~, wherein  $R^6$  represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino or phenyl.

18. (Original) The urea derivative according to claim 17, wherein  $R^6$  represents hydrogen, halo, haloalkyl or phenyl.

19. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-18~~, wherein  $R^7$  represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, cyano, nitro, amino or phenyl.

20. (Original) The urea derivative according to claim 19, wherein  $R^7$  represents hydrogen, nitro or phenyl.

21. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-20~~, wherein  $R^8$  represents hydrogen, hydroxy, halo, haloalkyl, haloalkoxy, alkoxy, cyano, nitro or amino.

22. (Original) The urea derivative according to claim 21, wherein R<sup>8</sup> represents hydrogen, hydroxy, halo or alkoxy.

23. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-4~~, wherein

R<sup>1</sup> represents hydrogen, alkyl, hydroxy, alkoxy, amino or -NH(CO)methyl;

R<sup>2</sup> represents hydrogen, hydroxy or halo;

R<sup>3</sup> represents hydrogen, hydroxy, halo or nitro;

R<sup>4</sup> represents hydrogen, alkyl or halo;

R<sup>5</sup> represents hydrogen, alkyl, amino or nitro;

R<sup>6</sup> represents hydrogen, halo, haloalkyl or phenyl;

R<sup>7</sup> represents hydrogen or phenyl; and

R<sup>8</sup> represents hydrogen, hydroxy, halo or alkoxy.

24. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-4~~, wherein

R<sup>1</sup> represents hydroxy;

R<sup>2</sup> represents hydrogen or halo;

R<sup>3</sup> represents hydrogen or nitro;

R<sup>4</sup> represents hydrogen or halo;

R<sup>5</sup> represents hydrogen, nitro or amino;

R<sup>6</sup> represents halo or haloalkyl;

R<sup>7</sup> represents hydrogen or phenyl; and

R<sup>8</sup> represents hydrogen, halo or alkoxy.

25. (Currently amended) The urea derivative according to claim 1~~any one of claims 1-4~~, wherein

R<sup>1</sup> represents hydrogen;

R<sup>2</sup> represents hydrogen, hydroxy or halo (chloro);

R<sup>3</sup> represents hydrogen or hydroxy;

R<sup>4</sup> represents alkyl or halo;

R<sup>5</sup> represents hydrogen;

R<sup>6</sup> represents hydrogen, haloalkyl or phenyl;

R<sup>7</sup> represents hydrogen or phenyl; and

R<sup>8</sup> represents hydrogen or halo.

26. (Currently amended) The urea derivative according to claim 1 ~~any one of claims 1-4~~, wherein

R<sup>1</sup> represents alkyl, alkoxy, amino or N-alkylcarbonyl-amino;

R<sup>2</sup> represents hydrogen;

R<sup>3</sup> represents hydroxy or halo;

R<sup>4</sup> represents hydrogen or halo;

R<sup>5</sup> represents hydrogen;

R<sup>6</sup> represents haloalkyl;

R<sup>7</sup> represents hydrogen; and

R<sup>8</sup> represents hydrogen or halo.

27. (Original) The urea derivative of claim 23, which is

*N*-(3-Chloro-6-hydroxy-phenyl)-*N'*-(2-chloro-5-trifluoromethyl-phenyl)-urea;

*N*-(2-Amino-6-hydroxy-phenyl)-*N'*-(3-trifluoromethyl-phenyl)-urea;

*N*-(5-Chloro-2-hydroxy-phenyl)-*N'*-(2-hydroxy-4-nitro-phenyl)-urea;

*N*-(2-Amino-4,5-dichloro-phenyl)-*N'*-(2-chloro-5-trifluoromethyl-phenyl)-urea;

*N*-{4,5-Dichloro-2-[3-(2-chloro-5-trifluoromethyl-phenyl)-ureido]phenyl}-

acetamide;

*N*-(3-Chloro-4-hydroxy-phenyl)-*N'*-(3-trifluoromethyl-phenyl)-urea;

*N*-(4-Hydroxy-6-methyl-phenyl)-*N'*-(3-trifluoromethyl-phenyl)-urea;

*N*-(3,5-Dichloro-4-hydroxy-phenyl)-*N'*-(3-trifluoromethyl-phenyl) urea;

*N*-(2-Chloro-5-trifluoromethyl-phenyl)-*N'*-(3,5-dichloro-4-hydroxy-phenyl)

urea;

*N*-(Biphenyl-3-yl)-*N'*-(3,5-dichloro-4-hydroxy-phenyl) urea;

*N*-(Biphenyl-4-yl)-*N'*-(3,5-dichloro-4-hydroxy-phenyl) urea;

*N*-(Biphenyl-4-yl)-*N'*-(5-chloro-2-hydroxy-phenyl) urea;

*N*-(3,5-Dichloro-2-hydroxy-phenyl)-*N'*-(2-chloro-5-trifluoromethyl-phenyl)-

urea;

*N*-(3-Bromo-5-chloro-2-hydroxy-phenyl)-*N'*-(2-chloro-5-trifluoromethyl-

phenyl)-urea;

*N*-(2-Chloro-5-trifluoromethyl-phenyl)-*N'*-(3-hydroxy-5-methyl-phenyl) urea;

*N*-(3-Hydroxy-5-methyl-phenyl)-*N'*-(3-trifluoromethyl-phenyl) urea;

*N*-(2-Chloro-5-trifluoromethyl-phenyl)-*N'*-(4-hydroxy-2-methyl-phenyl) urea;  
*N*-(5-Chloro-2-methoxy-phenyl)-*N'*-(2-chloro-5-trifluoromethyl-phenyl) urea;  
*N*-(2-Hydroxy-6-nitro-phenyl)-*N'*-(3-trifluoromethyl-phenyl) urea; or  
*N*-(3-Chloro-6-methoxy-phenyl)-*N'*-(2-hydroxy-4-nitro-phenyl) urea;  
or an enantiomer or a mixture of its enantiomers, or a pharmaceutically-acceptable addition salt thereof.

28. (Currently amended) A pharmaceutical composition comprising a therapeutically effective amount of a urea derivative of claim 1~~any one of claims 1-27~~, or a pharmaceutically-acceptable addition salt thereof, together with at least one pharmaceutically-acceptable carrier or diluent.

29. (Currently amended) A method of treatment, prevention or alleviation of a disease or a disorder or a condition of a living animal body, including a human, which disorder, disease or condition is responsive to modulation of nicotinic acetylcholine  $\alpha 7$  receptors, which method comprises the step of administering to such a living animal body in need thereof a therapeutically effective amount of a urea derivative of claim 1.~~Use of a urea derivative of any one of claims 1-27, or a pharmaceutically-acceptable addition salt thereof, for the manufacture of a pharmaceutical composition/medicament for the treatment, prevention or alleviation of a disease or a disorder or a condition of a mammal, including a human, which disease, disorder or condition is responsive to modulation of nicotinic acetylcholine  $\alpha 7$  receptors.~~

30. (Currently amended) The method~~use~~ according to claim 29, wherein the disease, disorder or condition relates to the central nervous system.

31. (Currently amended) The method~~use~~ according to claim 30, wherein the disease, disorder or condition is anxiety, cognitive disorders, learning deficit, memory deficits and dysfunction, Alzheimer's disease, attention deficit, attention deficit hyperactivity disorder, Parkinson's disease, Huntington's disease, Amyotrophic Lateral Sclerosis, Gilles de la Tourette's syndrome, depression, mania, manic depression, schizophrenia, obsessive compulsive disorders (OCD), panic disorders, eating disorders such as anorexia nervosa, bulimia and obesity, narcolepsy, nociception, AIDS-dementia, senile dementia, periferic neuropathy, autism, dyslexia, tardive



dyskinesia, hyperkinesia, epilepsy, bulimia, post-traumatic syndrome, social phobia, sleeping disorders, pseudodementia, Ganser's syndrome, pre-menstrual syndrome, late luteal phase syndrome, chronic fatigue syndrome, mutism, trichotillomania and jet-lag.

32. (Currently amended) The methoduse according to claim 29, wherein the disease, disorder or condition are associated with smooth muscle contractions, including convulsive disorders, angina pectoris, premature labour, convulsions, diarrhoea, asthma, epilepsy, tardive dyskinesia, hyperkinesia, premature ejaculation and erectile difficulty.

33. (Currently amended) The methoduse according to claim 29, wherein the disease, disorder or condition is related to the endocrine system, such as thyrotoxicosis, pheochromocytoma, hypertension and arrhythmias.

34. (Currently amended) The methoduse according to claim 29, wherein the disease, disorder or condition is a neurodegenerative disorders, including transient anoxia and induced neuro-degeneration.

35. (Currently amended) The methoduse according to claim 29, wherein the disease, disorder or condition is an inflammatory disorder, including inflammatory skin disorders such as acne and rosacea, Chron's disease, inflammatory bowel disease, ulcerative colitis and diarrhoea.

36. (Currently amended) The methoduse according to claim 29, wherein the disease, disorder or condition is mild, moderate or even severe pain of acute, chronic or recurrent character, as well as neuropathic pain and pain caused by migraine, postoperative pain, phantom limb pain, neuropathic pain, chronic headache, central pain, pain related to diabetic neuropathy, to post therapeutic neuralgia, or to peripheral nerve injury.

37. (Currently amended) The methoduse according to claim 29, wherein the disease, disorder or condition is associated with withdrawal symptoms caused by termination of use of addictive substances, including nicotine containing products such

as tobacco, opioids such as heroin, cocaine and morphine, benzodiazepines and benzodiazepine-like drugs and alcohol.

38. (Canceled)